

**Amendment to the Abstract:**

The Abstract has been amended. A revised Abstract is attached.

**ABSTRACT**

When ~~transmitting data is transmitted on a burst basis, a symbol having an increased a~~  
~~higher modulation multinary number is partially level is~~ inserted into the transmission parts of a  
burst on the ~~a symbol basis and a transmission this burst including a symbol having an~~  
~~increased modulation multinary number is transmitted. Moreover, when receiving~~ When the  
data transmitted on ~~including this burst basis, the data is received by judging whether on a~~  
burst basis, it is determined which symbol is at a symbol position where a symbol positions are  
inserted by the symbols having an increased ~~the higher modulation multinary number is inserted~~  
into the received burst signal or a symbol is at a level and which symbol position other than  
this positions are inserted by the other symbols. This method allows increasing a  
communication and increase the communication capacity while retaining the reliability of the  
communication.

Respectfully submitted,

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LEA/dmw  
Attachment: Abstract  
Dated: December 7, 2004

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Kathleen Libby

**ABSTRACT**

When data is transmitted on a burst basis, a symbol having a higher modulation level is inserted into parts of a burst on a symbol basis and this burst is transmitted. When the data including this burst is received on a burst basis, it is determined which symbol positions are inserted by the symbols having the higher modulation level and which symbol positions are inserted by the other symbols. This method allows increasing a communication capacity while retaining the reliability of the communication.